

ANOTHER SMELTER.

The W. & J. Lanyon Smelter Begins Operations.

START WITH 150 EMPLOYEES

This Is The Second Zinc Smelter to Locate in Iowa on Account of Our Natural Gas—And Still We Grow.

The REGISTER has informed the public from time to time of the progress made at the new W. & J. Lanyon smelter, located on the Santa Fe and Missouri Pacific tracks about 600 feet north of the old smelter. Everything is now in readiness to begin active smelting operations and a brief description of the new plant may prove not uninteresting. The present description is necessarily incomplete from lack of space and from the fact that the present condition of the plant is not a just criterion of its real importance and possibilities.

In June of this year William and Josiah Lanyon, well known smelter men of Pittsburg, Kansas, came to Iowa and were so favorably impressed with the progress made by their nephews here, that they decided to locate a plant here also. After the usual delays in choosing a site getting switches and railroad rates and having the material made, work was begun and now, the middle of December, shows one of the handsomest smelting works in the country. Everything has been built on the most approved, up-to-date, plan and the smelter is in a great many ways a model of its kind. Six large buildings have been erected and arranged in a way to economize both time and labor.

Power is furnished by two large Chandler-Taylor engines of 170 horse power. These are located in the main building, a fine two story brick structure about 80 feet square. In this building are also the rooms where the retorts are moulded and dried. Adjoining this one on the east is a frame building containing the crushers. The ore is dumped from the cars directly at the door of the crusher room and after leaving the crushers is raised by an elevated track. This track takes the ore to the two large roast ovens. After being roasted the ore is carried in other cars to the mix room. All the tracks are so laid that the work of pushing the cars is materially aided by gravity. Elevators in the mix room again raise the mixed ore to the other cars which carry it on elevated tracks to the furnaces, two of which, containing 400 retorts each, built in large airy buildings are now almost completed. Here the smelting proper is done. One of the furnaces, containing 600 retorts is now in operation and works perfectly. A large pipe conducts air from huge fans in the engine room and furnishes a blast for the furnace and also a patent device to get rid of the ashes. When the ashes are cleared out of the retorts they fall down shafts and are caught by this powerful air blast and are carried out of the building and thrown upon a screen. In this way the necessity of wheeling out the ashes and of screening them is done away with, and a handsome saving is thus realized.

An abundance of water is furnished by wells sunk on the grounds and a track connecting the Missouri Pacific and Santa Fe railroads, furnishes ample switching facilities. There are numerous acres of level unoccupied land adjoining over which the works may spread, and the two gentlemen in control have both the money and the expressed inclination to make this one of the largest and best works of its kind in the world. Their long experience in the business, their mining interests in the zinc country and the inexhaustible supply at hand of the finest and cheapest fuel on earth for the purpose, all point to a successful business career here. Starting with about 150 men on the pay roll the force will be increased steadily as the works are extended and within a year, judging by the excellent precedent already established 500 or more men will be drawing good wages at this plant.

And in the meantime, it will be money in your pocket to keep one eye constantly and unwaveringly on Iowa. She is a winner.

A Pioneer Departed.

Mrs. Sarah A. Terrill was born in Garrett County, Kentucky, December 16, 1806, and died at Iowa, Kansas, December 24, 1907.

At the time of her marriage in 1836 she removed to Indiana with her husband, Henry H. Terrill, and from there to their farm on Deer Creek, near Iowa, in the fall of 1858. Her husband died in 1863. During the later years of her life she made her home with her daughter, Mrs. Susan E. Post, where she fell quietly "asleep in Jesus."

Here was a busy life of gentle spirit and faithful ministry. From girlhood she was a member of the Presbyterian church, and the world is better because she has lived her faith in it. Mrs. Terrill was one of the pioneers

of Allen county, being one of the charter members of the Presbyterian church at Iowa, of whom her daughter, Mrs. Post, is now the sole survivor.

The funeral services were held at the residence on Sunday afternoon, Rev. W. L. Squier officiating, and were attended by sympathizing friends of the family.

BUCKLEN'S ARNICA SALVE.

The best Salve in the world for Cuts, Bruises, Sores, Ulcers, Salt Rheum, Fever Sores, Tetter, Chapped Hands, Chilblains, Corns, and all Skin Eruptions, and positively cures Piles, or no pay required. It is guaranteed to give perfect satisfaction or money refunded. Price 25 cents per box. For sale by C. B. Spencer & Co.

For Pneumonia.

Dr. J. C. Bishop, of Agnew, Mich., says: "I have used Foley's Honey and Tar in three very severe cases of pneumonia the past month with good results." Evans Bros.

ALLEN COUNTY ON TOP.

Spicer Bros. Win First Premiums at the Great Mid-Continental Poultry Show.

A special dispatch to the DAILY REGISTER from Kansas City brings the gratifying news that Spicer Bros., of Geneva, carried off the first and Silver Special premiums on their Barred Plymouth rock chickens at the great Mid-Continental Poultry Show which was held at Kansas City last week.

The big premiums offered and the fine opportunity for advertising attracted a great many exhibitors from all over the country, and it is a matter for the sincerest congratulation that a couple of country boys from Allen county carried off the coveted honors among such a host of competitors. The Spicer boys went into the poultry business only a short time ago, and it is a fine testimony to their skill and intelligence that they have already taken rank among the most successful breeders in the entire country.

A Correction.

EDITOR REGISTER: Please correct the statement made in the REGISTER that Mr. Ballington Booth is the great Salvation Army leader. Mr. and Mrs. Ballington Booth have no connection whatever with the Salvation Army. Together they are the organizers and leaders of the Volunteers of America, an organization a little over a year old. The movement still in its infancy numbers 650 officers, 7,000 troops, and 50,000 in their congregations. The Volunteers' Gazette, published by them has a tremendous circulation in every state in the Union.

Mrs. Booth, or the "little mother" as she is called, has in active service eight Volunteer Prisoners Leagues with 2,000 members. On the platform in the great Carnegie music hall, N.Y., were the eight wardens of these prisons to bear testimony to the noble work Mrs. Booth is doing. We are glad that the citizens of Iowa will have an opportunity of hearing this God-inspired woman next spring. Linn county can come over.

A FRIEND.

HOW TO LOOK GOOD.

Good looks are really more than skin deep, depending entirely upon the healthy condition of all the vital organs. If the liver be inactive, you have a bilious look; if your stomach be disordered, you have a dyspeptic look; if your kidneys be affected you have a puffed look. Secure good health and you will surely have good looks. "Electric Bitters" is a good Alternative and Tonic. Acts directly upon the stomach, liver and kidneys. Purifies the blood, cures pimples, blotches and boils and gives good complexion. Every bottle guaranteed. Sold at Chas. Spencer & Co. Drug Store. 50 cents per bottle.

Liberty and Prohibition.

The members of the Liberty and Prohibition party met on Christmas Day. President B. F. Clark opened the meeting with prayer and by reading selections from the Scriptures. The business of the meeting was then taken up. It was moved and carried to meet every two weeks at the home of Joseph Pike, Iowa. Adjourned to meet Jan. 8, 1898, at 2 o'clock at the above named place. Brothers and sisters don't be backward in coming to these meetings.

MRS. A. D. PIKE,
Sec. pro tem.

TO CURE A COLD IN ONE DAY
Take Laxative Cold Quinine Tablets. All
Druggists refund the money if it fails to cure, 25c

Dandruff is Disease

The beginning of baldness is dandruff. Keep the scalp clean and promote the growth of the hair by the use of

Ayer's Hair Vigor

KANSAS RICH IN GAS.

RAILROAD LINES INTERESTED.

Industrial Commissioner of the Santa Fe Reports a Flourishing Situation at Iowa and Cherryvale.—Freight Rate Benefits.

Chicago-Kansas lines are greatly interested in the recent developments in the natural gas regions of southeastern Kansas. Many new industrial enterprises are being located in that section, and from present indications it is believed that these fields will prove more valuable than any yet discovered. Coal and petroleum have recently been found in that section in considerable quantities, and this will tend to place the industries on a more permanent basis.

Industrial commissioner James R. Davis of the Santa Fe, who has just returned from Iowa and Cherryvale, reports that the outlook from a manufacturing standpoint is exceedingly promising. One well near Iowa is yielding 13,000,000 cubic feet of gas every twenty-four hours which is equal to 650 tons of coal. The total yield from the wells in the immediate vicinity of Iowa is more than 85,000,000 cubic feet a day.

A zinc smelter which has been in operation for some months at Iowa will double its capacity as soon as possible and a second smelter will begin work Jan. 1. They will handle zinc ore from Joplin, Mo., which has hitherto been exported in bulk, but will in future go abroad in the shape of ingots or "speiters."

Glass Making Industries.

Two glass factories are now in course of erection, the first to be established west of the Mississippi river. One will produce glass bottles and the other window glass. Apart from the peculiar manufacturing advantages resulting from the use of gas for glass-blowing these factories will get the benefit of a short haul on sand from south-west Mo., and also will enjoy Mississippi river freight rates in distributing their product in the west. At Cherryvale, near Iowa, a paving-brick concern is turning out an exceptionally high grade vitrified and terra cotta product. Gas has proved immensely valuable in brick making enabling the makers to mix the clay with hot water and also to decrease the heat gradually in the annealing process instead of shutting it off entirely. Having learned from the experience of the Indiana gas owners the Kansas men are handling their property in a careful and conservative manner, and by controlling the flow from the wells have cut off considerable waste.—Chicago Record.

The foregoing which we take, headlines and all, from the Chicago Record, while not altogether correct in minor details, is in general a fair statement of the situation here, and is a mighty fine "ad." for Iowa. The glass factories referred to, while in near prospect, are not under actual construction, although we hope they will be in a few weeks. But the article as a whole states actual facts and as it was doubtless inspired by an interview with Mr. Davis, it gives conclusive assurance that Iowa will have the benefit of that gentleman's powerful influence in the further development of its great resources.

Iowa is top of column, next to reading matter!

Is It Coal?

The drillers at the Brick Plant well report that at a depth of 225 feet the drill passed through four feet of coal.

If the drillers are not mistaken, the find is second in importance in relation to the future greatness of Iowa only to the discovery of gas.

But the chances are all so much against the discovery here of so great a body of coal that the REGISTER hesitates to turn its enthusiasm loose until the nature of the "stuff" has been determined beyond question. Samples of it will be sent to the University for analysis and we will soon know whether to "turn loose" or keep still.

CONSUMPTION POSITIVELY CURED.

Mr. R. B. Greeve, Merchant, of Chilhowie, Va., certifies that he had consumption, was given up to die, sought all medical treatment that money could procure, tried all cough remedies he could hear of, but got no relief; spent many nights sitting up in a chair; was induced to try Dr. King's New Discovery, and was cured by use of two bottles. For past three years has been attending to business and says Dr. King's New Discovery is the grandest remedy ever made, as it has done so much for him and also for others in his community. Dr. King's New Discovery is guaranteed for Coughs, Colds and Consumption. It don't fail. Trial bottles free at Chas. Spencer & Co. Drug Store.

CATARH IS A DISEASE.

Which requires a constitutional remedy. It cannot be cured by local applications. Hood's Sarsaparilla is wonderfully successful in curing catarrh because it eradicates from the blood the scrofulous taints which cause it. Sufferers with catarrh find a cure in Hood's Sarsaparilla, even after other remedies utterly fail.

Hood's Pills are prompt, efficient, always reliable, easy to take, easy to operate.

RHEUMATISM CURED IN A DAY.

"Mystic Cure" for Rheumatism and Neuralgia radically cures in 1 to 3 days. Its action upon the system is remarkable and mysterious. It removes at once the cause and the disease immediately disappears. The first dose greatly benefits. 75 cents. Sold by all druggists.

FOR SALE OR TRADE.

Grant Billie, Iowa, Kansas, has a good light farm wagon to trade for a good cow.

SPREADING OUR FAME.

The Leading Organ of the Glass Industry Publishes an Article Telling

THE TRUTH ABOUT IOWA GAS.

This Article Will Reach Every Glass Manufacturer in the United States and Will Do Us

A WORLD OF GOOD.

In its issue of Dec. 18, the *Commoner and Glassmaker*, of Pittsburg, Pa., the organ of the glass industry, published two long articles pointing out the certainty of the early exhaustion of the Indiana gas fields. In its last issue it published the following article which explains itself.

The letter of "Belmont" from Elwood, Ind., and the report of John J. Netterville, of Anderson, published in the *Commoner and Glassmaker* of Dec. 18, both calling emphatic attention to the rapid exhaustion of the Indiana gas fields, must compel those who have been engaged in manufacturing in those fields, or those who are desirous of investing capital in such enterprises, to seriously consider the question, "Where shall we go?"

In the opinion of many of the most noted experts that question is answered, "Iowa Kansas."

The field at Iowa has been developed by local companies and by the Palmer Oil Co., and shows a territory of about sixty square miles. Within this territory thirteen wells have been drilled, the weakest of which has a rock pressure of 305 pounds and a flow of 3,000,000 cubic feet, and the strongest a rock pressure of 320 pounds and a flow of 13,000,000. Several of them measure between 7,000,000 and 8,000,000 cubic feet. These measurements were made and certified to by A. W. Moore of Kokomo, Ind., and William Moore of the same place. One of the 8,000,000 wells was drawn upon by the Lanyon Zinc Smelter, running 1,000 retorts, for nearly a year without any perceptible diminution either in pressure or flow. There are two zinc smelters here, one with 2200 retorts and one with 1200, the former drawing from two wells and the latter from one. Two wells are supplying fuel and light for domestic purposes to the city of Iowa. The others are securely shut down, awaiting demand.

Iowa is located at the crossing of the A. T. & S. F. and Missouri Pacific railroads, 100 miles south of Kansas City, and is the county seat of a rich agricultural country. Its population is about 3000, a gain of about 1000 in the past 18 months. Living is cheap and labor disturbances have never been known.

In all the vast territory between the Mississippi river and the Pacific coast there is now but one glass factory. Who can doubt that this industry could be profitably established at Iowa where gas and sites will be furnished practically free and where trunk lines of railroad carry the finished product to the distributing centers of a great consuming territory at present unoccupied? And why should not the same conditions make it possible to establish many other lines of manufacturing with equal certainty of success?

The commercial importance of the great West and South-west is only beginning to be realized. It is hard for many in the East to believe that this vast territory is filled with flourishing towns and cities, surrounded and supported by thriving farming and stock-raising communities, demanding and paying for an enormous quantity of manufactured products. But this is the case. And there are fortunes in store for the enterprising capitalists who first appreciate the advantages to be gained by carrying the factory into the very midst of this great consuming population.

The field is too inviting to remain long unoccupied. And when the movement to take possession of it begins, the inducements offered by the splendid gas field at Iowa can hardly fail to make that town a great manufacturing center.

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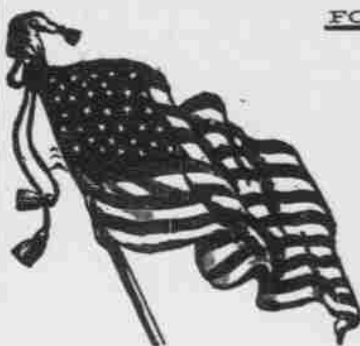
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"Rudyard Kipling" the sequel to "The Prisoner of Zenda." In splendid invention, in characters, in dramatic situations, it is the noblest and most stirring novel that Rudyard Kipling has ever written.

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Rudyard Kipling, Robert Barr, William Allen White, Ian Halden, Octave Thanet, Stephen Crane and many others, the best story writers in the world, will contribute to McCLURE'S during the coming year.

EDISON'S LATEST ACHIEVEMENT

Edison's Wonderful Invention. The result of eight years' constant labor. Mountains ground to dust and the iron ore extracted by magnetism. The Fastest Ship. An article by the inventor and constructor of "Turbinia," a vessel that can make the speed of an express train. Making a Great discovery, by the most competent authority living. Lord Kelvin's character sketch and substance of a conversation with this eminent scientist on unsolved problems of science.

THE RAILROAD MAN'S LIFE

Drawn from fifteen years' personal experience as brakeman, fireman and engineer, by Herbert H. Hamilton. It is a narrative of work, adventure, hazard, accident and escape, and is as vivid and dramatic as a piece of fiction.

THE CUSTER MASSACRE

The account of this terrible fight written down by Hendin Garland as it came from the lips of Two Moons, an old Indian Chief who was a participant in it.

MARK TWAIN

Mark Twain contributes an article on his voyage from India to South Africa. The illustrations are by A. C. Pratt and Peter Verelst, who are as droll and humorous as the articles themselves.

NANSEN

The great Arctic explorer has written an article on the possibilities of reaching the North Pole; on the methods that the next expedition should adopt, and the important scientific knowledge to be gained by an expedition; concerning the climate, the ocean currents, depths and temperature of the water, etc. This knowledge will be of the greatest value to science.

ILLUSTRATIONS

The best artists and illustrators are making pictures for McCLURE'S MAGAZINE. A. B. Frost, Peter Verelst, C. D. Gibson, Howard Pyle, Knapp, Cox, C. K. Linson, W. D. Sears, Alfred Dreyman, and others.

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The November Number will be given free with new subscriptions. This number contains the opening chapters of Dana's Reminiscences, Mark Twain's Voyage from India to South Africa, the account of Edison's great invention, and a mass of interesting matter and illustrations.

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